

Natural Gas Monthly

September 2002

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should be attributed to the Energy Information Administration and should not be construed as advocating or reflecting any policy position of the Department of Energy or any other organization.

Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Weekly Natural Gas Storage Report</i>	HTML	Weekly natural gas stocks and implied net changes by three regions and U.S. total
<i>Natural Gas Weekly Update</i>	HTML	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings of the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed in Appendix D.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
Btu	British thermal unit	MMcf	Million cubic feet
DOE	U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
FERC	Federal Energy Regulatory Commission	STIFS	Short-Term Integrated Forecasting System
IOGCC	Interstate Oil and Gas Compact Commission	STEO	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

Contents

Highlights	1
-------------------------	---

Appendices

A. Explanatory Notes	71
B. Data Sources	77
C. Statistical Considerations	83
D. Technical Contacts	89

Glossary	91
-----------------------	----

Tables

1. Summary of Natural Gas Production in the United States, 1996-2002.	3
2. Supply and Disposition of Dry Natural Gas in the United States, 1996-2002.	4
3. Natural Gas Consumption in the United States, 1996-2002.	6
4. Selected National Average Natural Gas Prices, 1996-2002	8
5. U.S. Natural Gas Imports, by Country, 1996-2002	10
6. U.S. Natural Gas Exports, by Country, 1996-2002.	12
7. Marketed Production of Natural Gas, by State, 1996-2002	13
8. Gross Withdrawals and Marketed Production of Natural Gas by State, May 2002.	16
9. Underground Natural Gas Storage - All Operators, 1996-2002	17
10. Underground Natural Gas Storage - by Season, 1999-2002.	19
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-2002	20
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1996-2002.	21
13. Net Withdrawals from Underground Storage, by State, 2000-2002	22
14. Activities of Underground Natural Gas Storage Operators, by State, July 2002.	26
15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002	27
16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002	31
17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002.	35

18. Natural Gas Deliveries to Electric Utility Consumers, by State, 2000-2002.	39
19. Natural Gas Deliveries to All Consumers, by State, 2000-2002.	43
20. Average City Gate Price, by State, 2000-2002.	47
21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002.	50
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002	53
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002	56
24. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 2000-2001.	59
25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002.	64
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data.	71
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, June 2002	88

Figures

1. Production and Consumption of Natural Gas in the United States, 1999-2002	5
2. Natural Gas Deliveries to Consumers in the United States, 1998-2002	7
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1998-2002	9
4. Average Price of Natural Gas in the United States, 1998-2002	9
5. Working Gas in Underground Natural Gas Storage in the United States, 1999-2002	18
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1998-2002	68